At page 7, line 11, after "Nucleotide", please insert --(SEQ ID NO: 7)--. At page 7, line 11, after "amino acid", please insert --(SEQ ID NO: 8)--. At page 7, line 12, after "sequences", please insert --(SEQ ID NOs: 9-12, respectively)--.

IN THE CLAIMS

Please amend claims 1, 3, 4, 24, 26, 27 and 36 as follows:

(AMENDED) An isolated STEAP-2 protein having an amino acid sequence shown in FIG. 9 (SEQ ID NO: 6).

- 2. (UNCHANGED) An isolated polypeptide of at least 8 contiguous amino acids of the protein of claim 1.
- 3. (AMENDED) An isolated polypeptide comprising an amino acid sequence which is at least 90% identical to the amino acid sequence shown in FIG. 9 (SEQ ID NO: 6) over its entire length.
- 4. (AMENDED) An isolated polynucleotide selected from the group consisting of (a) a polynucleotide having the sequence as shown in FIG. 9 (SEQ ID NO: 6), wherein T can also be U; (b) a polynucleotide encoding a STEAP-2 polypeptide whose sequence is encoded by the cDNA contained in plasmid 98P4B6-GTD3 as deposited with American Type Culture Collection as Accession No. PTA-311; and (c) a polynucleotide encoding the STEAP-2 protein of claim 1.
- 5. (UNCHANGED) An isolated polynucleotide which selectively hybridizes under stringent conditions to a polynucleotide according to claim 4 or its complement.
- 6. (UNCHANGED) An isolated fragment of a polynucleotide according to claim 4 which is at least 20 nucleotide bases in length.

- 7. (UNCHANGED) An isolated polynucleotide which is fully complementary to a polynucleotide according to claim 4.
- 8. (UNCHANGED) An isolated fragment of a polynucleotide according to claim 7 which is at least 20 nucleotide bases in length.
- 9. (UNCHANGED) A recombinant expression vector which contains a polynucleotide according to claim 4.
- 10. (UNCHANGED) A host cell which contains an expression vector according to claim 9.
- 11. (UNCHANGED) An isolated polynucleotide according to claim 5 which is labeled with a detectable marker.
- 12. (UNCHANGED) A process for producing a STEAP-2 protein comprising culturing a host cell of claim 10 under conditions sufficient for the production of the polypeptide and recovering the STEAP-2 protein from the culture.
- 13. (UNCHANGED) An antibody which specifically binds to the STEAP-2 protein of claim 1.
 - 14. (UNCHANGED) A monoclonal antibody according to claim 13.
- 15. (UNCHANGED) The monoclonal antibody of claim 14 which is labeled with a detectable marker.
- 16. (UNCHANGED) The monoclonal antibody of claim 14 which is conjugated to a toxin.

- 17. (UNCHANGED) The monoclonal antibody of claim 14 which is conjugated to a therapeutic agent.
- 18. (UNCHANGED) An assay for detecting the presence of a STEAP-2 protein in a biological sample comprising contacting the sample with an antibody of claim 15, and detecting the binding of STEAP-2 protein in the sample thereto.
- 19. (UNCHANGED) An assay for detecting the presence of a STEAP-2 polynucleotide in a biological sample, comprising
- (a) contacting the sample with a polynucleotide probe which specifically hybridizes to a polynucleotide of claim 4 or its complement; and
- (b) detecting the presence of a hybridization complex formed by the hybridization of the probe with STEAP-2 polynucleotide in the sample, wherein the presence of the hybridization complex indicates the presence of STEAP-2 polynucleotide within the sample.
- 20. (AMENDED) An assay for detecting the presence of STEAP-2 mRNA in a biological sample comprising:
 - (a) producing cDNA from the sample by reverse transcription using at least one primer;
 - (b) amplifying the cDNA so produced using STEAP-2 polynucleotides as sense and antisense primers to amplify STEAP-2 cDNAs therein;
 - (c) detecting the presence of the amplified STEAP-2 cDNA,

wherein the STEAP-2 polynucleotides used as the sense and antisense primers are capable of amplifying the polynucleotide shown in FIG. 9 (SEQ ID NO: 5).



- 21. (UNCHANGED) A composition for the treatment of prostate cancer comprising an antibody according to claim 14, 16 or 17, wherein the antibody binds to an extracellular domain of STEAP-2.
- 22. (UNCHANGED) A vaccine composition for the treatment of a cancer expressing a STEAP-2 protein comprising a STEAP-2 protein according to claim 1 and a physiologically acceptable carrier.
- 23. (UNCHANGED) A vaccine composition for the treatment of a cancer expressing a STEAP-2 protein comprising an immunogenic portion of a STEAP-2 protein according to claim 2 and a physiologically acceptable carrier.

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- 24. (AMENDED) An isolated STEAP-3 protein having an amino acid sequence shown in FIG. 10A (SEQ ID NO: 8).
- 25. (UNCHANGED) An isolated polypeptide of at least 8 contiguous amino acids of the protein of claim 24.
- 26. (AMENDED) An isolated polypeptide comprising an amino acid sequence which is at least 90% identical to the amino acid sequence shown in FIG. 10A (SEQ ID NO: 8) over its entire length.

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- 27. (AMENDED) An isolated polynucleotide selected from the group consisting of (a) a polynucleotide having the sequence as shown in FIG. 10A (SEQ ID NO: 7), wherein T can also be U; and (b) a polynucleotide encoding the STEAP-3 protein of claim 1.
- 28. (UNCHANGED) An isolated polynucleotide which selectively hybridizes under stringent conditions to a polynucleotide according to claim 27 or its complement.
- 29. (UNCHANGED) An antibody which specifically binds to the STEAP-3 protein of claim 24.

- 30. (UNCHANGED) A monoclonal antibody according to claim 24.
- 31. (UNCHANGED) The monoclonal antibody of claim 30 which is labeled with a detectable marker.
- 32. (UNCHANGED) The monoclonal antibody of claim 30 which is conjugated to a toxin.
- 33. (UNCHANGED) The monoclonal antibody of claim 30 which is conjugated to a therapeutic agent.
- 34. (UNCHANGED) An assay for detecting the presence of a STEAP-3 protein in a biological sample comprising contacting the sample with an antibody of claim 31, and detecting the binding of STEAP-3 protein in the sample thereto.
- 35. (UNCHANGED) An assay for detecting the presence of a STEAP-3 polynucleotide in a biological sample, comprising
- (a) contacting the sample with a polynucleotide probe which specifically hybridizes to a polynucleotide of claim 27 or its complement; and
- (b) detecting the presence of a hybridization complex formed by the hybridization of the probe with STEAP-3 polynucleotide in the sample, wherein the presence of the hybridization complex indicates the presence of STEAP-3 polynucleotide within the sample.
- 36. (AMENDED) An assay for detecting the presence of STEAP-3 mRNA in a biological sample comprising:
 - (a) producing cDNA from the sample by reverse transcription using at least one primer;

(b) amplifying the cDNA so produced using STEAP-3 polynucleotides as sense and antisense primers to amplify STEAP-3 cDNAs therein;



(c) detecting the presence of the amplified STEAP-3 cDNA,

wherein the STEAP-3 polynucleotides used as the sense and antisense primers are capable of amplifying the polynucleotide shown in FIG. 10A (SEQ ID NO: 7).

- 37. (UNCHANGED) A composition for the treatment of prostate cancer comprising an antibody according to claim 30, 32 or 33, wherein the antibody binds to an extracellular domain of STEAP-3.
- 38. (UNCHANGED) A vaccine composition for the treatment of a cancer expressing a STEAP-3 protein comprising a STEAP-3 protein according to claim 24 and a physiologically acceptable carrier.
- 39. (UNCHANGED) A vaccine composition for the treatment of a cancer expressing a STEAP-3 protein comprising an immunogenic portion of a STEAP-3 protein according to claim 25 and a physiologically acceptable carrier.
- 40. (UNCHANGED) A method of inhibiting the growth of tumor cells expressing a STEAP-2 protein, comprising administering to a patient an antibody which binds specifically to the extracellular domain of STEAP-2 in an amount effective to inhibit growth of the tumor cells.
- 41. (UNCHANGED) The method of claim 40, wherein said antibody is conjugated to a cytotoxic agent.
- 42. (UNCHANGED) A method of treating a patient susceptible to or having a cancer which expresses STEAP-2, comprising administering to said patient an effective amount of an antibody which binds specifically to the extracellular domain of STEAP-2.